

Title (en)
MOLDING PHENOLIC RESIN MATERIAL FOR PULLEY, RESINOUS PULLEY, AND METHOD OF USING MOLDING RESIN MATERIAL

Title (de)
FORMEN VON PHENOLHARZMATERIAL FÜR RIEMENSCHLEIBE, HARZRIEMENSCHLEIBE UND VERFAHREN ZUR VERWENDUNG VON FORMHARZMATERIAL

Title (fr)
MATERIAU A BASE DE RESINE PHENOLIQUE DE MOULAGE POUR POULIE, POULIE A BASE DE RESINE, ET PROCEDE D'UTILISATION DUDIT MATERIAU RESINEUX DE MOULAGE

Publication
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Application
EP 04719144 A 20040310

Priority
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Abstract (en)
[origin: EP1602860A1] A resin molding material for pulley essentially contains a novolac type phenolic resin, a glass fiber, an inorganic substrate other than the glass fiber, and an elastomer. The novolac type phenolic resin ranging from 25% by weight to 45% by weight, the glass fiber together with the inorganic substrate other than the glass fiber ranging from 45% by weight to 65% by weight, and the elastomer ranging from 0.5% by weight to 5% by weight, relative to the entire molding material are blended. As the inorganic substrate other than the glass fiber, for example, calcium carbonate is used. As the elastomer, for example, NBR is used. The phenolic resin molding material for pulley is molded to obtain a resin pulley.
<IMAGE>

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F16H 55/48; **C08L 61/06**; **C08K 7/14**; **C08K 3/26**

IPC 8 full level
C08K 7/14 (2006.01); **C08L 61/06** (2006.01); **F16H 55/48** (2006.01); **C08L 33/20** (2006.01)

CPC (source: EP KR US)
C08K 3/26 (2013.01 - KR); **C08K 7/14** (2013.01 - EP KR US); **C08L 29/14** (2013.01 - KR); **C08L 61/06** (2013.01 - EP KR US); **F16H 55/48** (2013.01 - EP KR US); **C08K 2003/265** (2013.01 - KR); **C08L 2666/04** (2013.01 - KR); **Y10T 29/49453** (2015.01 - EP US)

Citation (search report)
• [X] EP 0794361 A1 19970910 - KOYO SEIKO CO [JP]
• [A] EP 0590233 A2 19940406 - SUMITOMO BAKELITE CO [JP]
• [A] EP 1219681 A1 20020703 - KOYO SEIKO CO [JP]
• See references of WO 2004081415A1

Cited by
EP1860144A1; US2018305539A1; EP3369773A4

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